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EXAMINER

RAMPURIA, SHARAD K

ART UNIT

PAPER NUMBER

2683

DATE MAILED: 07/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/088,030

Applicant(s)

ALLAWAY ET AL.

Examiner

Sharad Rampuria

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 May 2005.
2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 31-48 and 50-68 is/are pending in the application.
4a) Of the above claim(s) 1-30 and 49 is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 31-48 and 50-68 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

Response to Amendment

Claims 1-30 and 49 are cancelled.

Applicant's arguments with respect to claims 31-48 and 50-68 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Art Unit: 2683

Claims 31-34, 36-43, 45-48 & 60, 62-63 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schmid et al. [US 5950129] and Horrer et al. [US 6321084] further in view of Kraft et al. [US 6463278].

31. Regarding claim 31, Schmid disclose a method for forwarding incoming cellular communications to an aircraft, (abstract) comprising; receiving a request to divert incoming calls for a cellular telephone number to a communication system on board an aircraft; (col.6; 26-35) and wherein, an incoming telephone call to the cellular telephone number is forwarded, consistent with said considering and in accordance with the diversion instruction, to the communications system on board the aircraft. (col.6; 53-58)

Schmid fails to disclose associating a diversion instruction with the cellular telephone number, the diversion instruction representing an instruction to forward an incoming call for the cellular telephone number to the communications system aboard the aircraft. However, Horrer teaches in an analogous art, that associating a diversion instruction with the cellular telephone number, the diversion instruction representing an instruction to forward an incoming call for the cellular telephone number to the communications system aboard the aircraft; (col.6; 38-58 and call...forwarded; col.3; 14-40) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include associating a diversion instruction with the cellular telephone number, the diversion instruction representing an instruction to forward an incoming call for the cellular telephone number to the communications system aboard the aircraft in order to provide a method and a telecommunication system by which a person subscribing to a

Art Unit: 2683

telecommunication network continues to be reachable in stationary or mobile, substantially enclosed facilities under his/her personal call number.

Also, the above combinations doesn't disclose expressly, considering a state of a cellular telephone associated with the cellular telephone number as busy, regardless of an actual state of the cellular telephone, However, Kraft teaches in an analogous art, which considering a state of a cellular telephone associated with the cellular telephone number as busy, regardless of an actual state of the cellular telephone, (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include considering a state of a cellular telephone associated with the cellular telephone number as busy, regardless of an actual state of the cellular telephone in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

32. Regarding claim 32, Schmid disclose The method of claim 31, wherein said associating a diversion instruction comprises giving priority to an address of the communications system on board the aircraft over any previous diversion instruction. (col.6; 35-48)

33. Regarding claim 33, Schmid disclose The method of claim 31, wherein the communication systems on board the aircraft is a telephonic device aboard the aircraft. (113; fig.4; col.6; 61-67)

Art Unit: 2683

34. Regarding claim 34, Schmid disclose The method of claim 31, wherein the communication system on board the aircraft is a communication device electrically coupled with a cellular telephone aboard the aircraft. (114; fig.4; col.6; 61-67)

36. Regarding claim 35, Schmid disclose The method of claim 33, wherein the telephonic device is an aircraft telephone handset station. (113; fig.4; col.6; 61-67)

37. Regarding claim 37, Schmid disclose The method of claim 31, wherein said associating a diversion instruction comprises modifying a preset diversion instruction associated with the cellular telephone to include the communication system on board the aircraft. (col.5; 38-51)

38. Regarding claim 38, Schmid disclose The method of claim 31, further comprising: receiving an incoming call for the cellular telephone number; and forwarding the incoming call to the communication system on board the aircraft. (col.5; 52-65)

39. Regarding claim 39, the above combinations disclose all the particulars of the claim except diverting, in response to an actual state of the cellular telephone being busy. However, Kraft teaches in an analogous art, that the method of claim 31, the cellular telephone having at least one original diversion instruction prior to said associating a diversion instruction, the method further comprising; receiving an incoming call for the cellular telephone number; diverting, in response to an actual state of the cellular telephone being busy, the incoming call consistent with the at least one original diversion instruction. (divert when busy; Table 1, Col.2; 57-63)

Art Unit: 2683

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include diverting, in response to an actual state of the cellular telephone being busy in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

40. Regarding claim 40, Schmid disclose a method for routing incoming cellular telephone traffic through a land- based host network (ground-based; col.6; 26-35) to a cellular device user aboard an aircraft, the cellular device user having an associated cellular telephone number, (col.6; 26-35) comprising:

receiving, at the host network, a request to register the presence of the cellular device user aboard the aircraft; (stores...memory; col.5; 38-51)

the host network advising the cellular device user's home network that the cellular device user is within the operating jurisdiction of the host network, (HLR; col.5; 38-51)

wherein, upon receipt of an incoming call to the cellular telephone number, the host forwards an incoming call to the communication system on board the aircraft consistent with the primary divert on busy instruction. (col.6; 53-58)

Schmid fails to disclose associating, at the host network, a primary divert on busy instruction with the cellular telephone number. However, Horrer teaches in an analogous art, that associating, at the host network, a primary divert on busy instruction with the cellular telephone number, the divert on busy instruction representing an instruction to divert an incoming call to a communication system on board the aircraft, and considering a current operational state associated with the cellular telephone number as busy, regardless of an actual

Art Unit: 2683

operational state of the cellular device; (col.6; 38-58 and call...forwarded; col.3; 14-40)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include associating, at the host network, a primary divert on busy instruction with the cellular telephone number in order to provide a method and a telecommunication system by which a person subscribing to a telecommunication network continues to be reachable in stationary or mobile, substantially enclosed facilities under his/her personal call number.

Also, the above combinations doesn't disclose expressly, divert on busy instruction with the cellular telephone number. However, Kraft teaches in an analogous art, which divert on busy instruction with the cellular telephone number. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include divert on busy instruction with the cellular telephone number in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

41. Regarding claim 41, Schmid disclose The method of claim 40, wherein said associating a primary divert on busy instruction comprises giving an identifier of the communication system on board the aircraft priority over any preset divert on busy instruction. (col.6; 35-48)

42. Regarding claim 42, Schmid disclose The method of claim 40, wherein the communication system on board the aircraft is a telephonic device aboard the aircraft. (113; fig.4; col.6; 61-67)

Art Unit: 2683

43. Regarding claim 43, Schmid disclose The method of claim 40, wherein the communication system on board the aircraft is a communication device electrically coupled with a cellular telephone aboard the aircraft. (114; fig.4; col.6; 61-67)

45. Regarding claim 45, Schmid disclose The method of claim 42, wherein the telephonic device is an aircraft telephone handset station. (113; fig.4; col.6; 61-67)

46. Regarding claim 46, Schmid disclose The method of claim 40, wherein said associating the primary divert on busy instruction comprises modifying preset diversion instructions associated with the cellular telephone to include the communication system on board the aircraft. (col.5; 38-51)

47. Regarding claim 47, Schmid disclose The method of claim 40, further comprising: receiving an incoming call for the cellular telephone number; and forwarding the incoming call to the communication system on board the aircraft. (col.5; 52-65)

48. Regarding claim 48, the above combinations disclose all the particulars of the claim except diverting, in response to an actual state of the cellular telephone being busy. However, Kraft teaches in an analogous art, that the method of claim 40, the cellular telephone having at least one original divert on busy instruction prior to said associating a primary divert on busy instruction, the method further comprising; receiving an incoming call for the cellular telephone number; and diverting, in response to an actual state of the cellular telephone being busy, the

Art Unit: 2683

incoming call consistent with the at least one original divert on busy instruction. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include diverting, in response to an actual state of the cellular telephone being busy in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

60. Regarding claim 60, Schmid disclose a method of receiving a telephonic call placed to a mobile station at a telecommunications device on-board a vehicle (abstract) comprising: receiving a call forwarded from a home network, the call being placed to the mobile station; (col.6; 26-35) wherein the call terminates at the telecommunications device on-board the vehicle. (col.6; 53-58)

Schmid fails to disclose forwarding the call to the vehicle consistent with said accessing. However, Horrer teaches in an analogous art, that forwarding the call to the vehicle consistent with said accessing (col.6; 38-58 and call...forwarded; col.3; 14-40) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include forwarding the call to the vehicle consistent with said accessing in order to provide a method and a telecommunication system by which a person subscribing to a telecommunication network continues to be reachable in stationary or mobile, substantially enclosed facilities under his/her personal call number.

Also, the above combinations doesn't disclose expressly, returning a busy signal for the mobile station regardless of an actual state of the mobile station; accessing a divert-on-busy instruction for the mobile station. However, Kraft teaches in an analogous art, which returning a

Art Unit: 2683

busy signal for the mobile station regardless of an actual state of the mobile station; accessing a divert-on-busy instruction for the mobile station, (divert when busy; Table 1, Col.2; 57-63)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include returning a busy signal for the mobile station regardless of an actual state of the mobile station; accessing a divert-on-busy instruction for the mobile station in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

62. Regarding claim 62, the above combinations disclose all the particulars of the claim except setting an indication of a status of the cellular device as busy regardless of an actual status of the cellular device. However, Kraft teaches in an analogous art, that the method of claim 60, further comprising setting an indication of a status of the cellular device as busy regardless of an actual status of the cellular device. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include setting an indication of a status of the cellular device as busy regardless of an actual status of the cellular device in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

63. Regarding claim 63, Schmid disclose The method of claim 60, wherein the mobile station is associated with the home network, said method further comprising advising the home network that the cellular device is roaming on a host network. (col.5; 38-51)

Art Unit: 2683

Claims 50-51, 53-58, 64 & 66-68 are rejected under 35 U.S.C. 103(a) as being unpatentable over Horrer in view of Kraft.

50. Regarding claim 50, Horrer disclose A method of registering to divert a telephone call to a telecommunications device on-board a vehicle, (register; col.3; 14-40) the method comprising; receiving first and second identification information, the first information being associated with a cellular device (SIM; col.3; 14-40), the second identification information being associated with the telecommunications device, (personal call numbers; col.3; 14-40)

Horrer fails to disclose associating modified divert on busy instructions with the cellular device that identify the telecommunications device as a divert on busy instruction. However, Kraft teaches in an analogous art, that associating modified divert on busy instructions with the cellular device that identify the telecommunications device as a divert on busy instruction; and setting an indication of a status of the cellular device as busy regardless of an actual status of the cellular device. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include associating modified divert on busy instructions with the cellular device that identify the telecommunications device as a divert on busy instruction in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

51. Regarding claim 51, Horrer disclose The method of claim 50 further comprising the steps of: receiving a telephonic call intended for the cellular device; diverting the telephonic call to the

Art Unit: 2683

on-board telecommunications device consistent with the primary divert on busy instruction.

(col.6; 38-58)

53. Regarding claim 53, Horrer disclose all the particulars of the claim except diverting, in response to an actual state of the cellular telephone being busy. However, Kraft teaches in an analogous art, that the method of claim 50, wherein said associating comprises inserting a telecommunications device identifier as a primary divert on busy instruction within any existing divert on busy instructions. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include diverting, in response to an actual state of the cellular telephone being busy in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

54. Regarding claim 54, Horrer disclose The method of claim 50, wherein said receiving, associating and setting occur at a host network, the cellular device is associated with a home network different from the host network, and said method further comprising advising the home network that the cellular device is roaming within the coverage of the host network. (col.6; 38-58)

55. Regarding claim 55, Horrer disclose a method of registering to divert incoming cellular telephone calls to an on-board telecommunications device (abstract & col.3; 14-40), the method comprising:

Art Unit: 2683

registering a cellular device as roaming on a host network regardless of the actual location of the cellular device relative to the host network, (abstract & col.3; 14-40) and

Horrer fails to disclose a primary divert-on-busy instruction of the cellular device as an on-board telecommunication device. However, Kraft teaches in an analogous art, that updating, in response to said registering, a primary divert-on-busy instruction of the cellular device as an on-board telecommunication device. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a primary divert-on-busy instruction of the cellular device as an on-board telecommunication device in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

56. Regarding claim 56, Horrer disclose all the particulars of the claim except setting an indication of a status of the cellular device as busy regardless of an actual status of the cellular device. However, Kraft teaches in an analogous art, that the method of claim 55, further comprising setting an indication of a status of the cellular device as busy regardless of an actual status of the cellular device. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include setting an indication of a status of the cellular device as busy regardless of an actual status of the cellular device in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

Art Unit: 2683

57. Regarding claim 57, Horrer disclose The method of claim 55, wherein the cellular device is associated with a home network, said method further comprising advising the home network that the cellular device is roaming on the host network. (col.6; 38-58)

58. Regarding claim 58, Horrer disclose The method of claim 55 further comprising the steps of: receiving a telephonic call placed to the cellular device; and diverting the telephonic call to the on-board telecommunications device. (col.6; 38-58)

64. Regarding claim 64, Horrer disclose a method of receiving a telephonic call placed to a cellular device at a telecommunications device on-board a vehicle (register; col.3; 14-40) comprising:

receiving first and second identification information, the first identification information being associated with a cellular device, (SIM; col.3; 14-40) said second identification information being associated with the telecommunications device; (personal call numbers; col.3; 14-40) setting an indication of a status of the cellular device as busy regardless of an actual status of the cellular device, receiving a call forwarded from a home network, , and forwarding the call to the telecommunications device consistent with said accessing; wherein the call terminates at the telecommunications device on-board the vehicle. (col.6; 38-58)

Horrer fails to disclose associating modified divert on busy instructions with the cellular device that identify the telecommunications device as a divert on busy instruction. However, Kraft teaches in an analogous art, that associating modified divert on busy instructions with the cellular device that identify the telecommunications device as a divert on busy instruction; and

Art Unit: 2683

setting an indication of a status of the cellular device as busy regardless of an actual status of the cellular device, the call being placed to the cellular device, accessing the modified divert on busy instructions for the cellular device. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include associating modified divert on busy instructions with the cellular device that identify the telecommunications device as a divert on busy instruction in order to provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings

66. Regarding claim 66, Horrer disclose The method of claim 64, wherein the mobile station is associated with the home network, said method further comprising advising the home network that the cellular device is roaming on a host network. (col.6; 38-58)

67. Regarding claim 67, Horrer disclose all the particulars of the claim except inserting a telecommunications device identifier as a primary divert on busy instruction within any existing divert on busy instructions. However, Kraft teaches in an analogous art, that the method of claim 64, wherein said associating comprises inserting a telecommunications device identifier as a primary divert on busy instruction within any existing divert on busy instructions. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include inserting a telecommunications device identifier as a primary divert on busy instruction within any existing divert on busy instructions in order to

Art Unit: 2683

provide a method enabling the phone to automatically change its mode in response to its surroundings, each mode comprising several phone settings.

68. Regarding claim 68, Horrer disclose all the particulars of the claim except actual status of the cellular device is busy, the call consistent with the existing divert on busy instructions. However, Kraft teaches in an analogous art, that the method of claim 64, said method further comprising routing, when said actual status of the cellular device is busy, the call consistent with the existing divert on busy instructions. (divert when busy; Table 1, Col.2; 57-63) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include actual status of the cellular device is busy, the call consistent with the existing divert on busy instructions in order to provide a command for diverting the call from one device to another device.

Claims 35, 44, 61 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schmid, Horrer & Kraft further in view of McKenna et al. [US 6408180] (hereinafter McKenna)

35. Regarding claim 35, the above combinations disclose all the particulars of the claim except a facsimile machine. However, McKenna teaches in an analogous art, that The method of claim 31, wherein the communication system on board the aircraft is a facsimile machine. (col.17; 35-42) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a facsimile machine in order to provide services in a unified manner.

Art Unit: 2683

44. Regarding claim 44, the above combinations disclose all the particulars of the claim except a facsimile machine. However, McKenna teaches in an analogous art, that The method of claim 40, wherein the communication system on board the aircraft is a facsimile machine. (col.17; 35-42) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a facsimile machine in order to provide services in a unified manner.

61. Regarding claim 61, the above combinations disclose all the particulars of the claim except a facsimile machine. However, McKenna teaches in an analogous art, that The method of claim 60 wherein the on-board telecommunications device includes a facsimile device. (col.17; 35-42) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a facsimile machine in order to provide services in a unified manner.

Claims 52, 59, 65 are rejected under 35 U.S.C. 103(a) as being unpatentable over Horrer & Kraft further in view of McKenna.

52. Regarding claim 52, the above combinations disclose all the particulars of the claim except a facsimile machine. However, McKenna teaches in an analogous art, that The method of claim 50 wherein the on-board telecommunications device includes a facsimile device. (col.17; 35-42) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a facsimile machine in order to provide services in a unified manner.

Art Unit: 2683

59. Regarding claim 59, the above combinations disclose all the particulars of the claim except a facsimile machine. However, McKenna teaches in an analogous art, that The method of claim 55 wherein the on-board telecommunications device includes a facsimile device. (col.17; 35-42) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a facsimile machine in order to provide services in a unified manner.

65. Regarding claim 65, the above combinations disclose all the particulars of the claim except a facsimile machine. However, McKenna teaches in an analogous art, that The method of claim 64 wherein the on-board telecommunications device includes a facsimile device. (col.17; 35-42) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a facsimile machine in order to provide services in a unified manner.

Conclusion

II. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is (571) 272-7870. The examiner can normally be reached on Mon-Fri. (8:15-4:45).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on (571) 272-7872. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Art Unit: 2683

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://portal.uspto.gov/external/portal/pair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or EBC@uspto.gov.

Sharad Rampuria
Examiner
Art Unit 2683

July 18, 2005



WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600